



User Manual

ATLONA

**HDMI TO VGA/COMPONENT AND
STEREO AUDIO FORMAT CONVERTER
(NOT HDCP COMPATIBLE)**

AT-HD420



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INTRODUCTION

The Atlona AT-HD420 converts HDMI to a VGA or component output plus stereo audio. It enables an HDMI source to connect to a PC monitor, Projector or TV. Its high bandwidth capability supports a wide range of PC monitor and HDTV resolutions up to 1920 X 1200 or 1080p.

The converter is also capable of de-embedding audio from the HDMI source and converting it to a stereo 1/8-inch interface. This will allow the user to connect it to a set of speakers, an AVR or any other audio device.

Note 1. The AT-HD420 is a format converter only; therefore user would have to choose the resolution on the HDMI/DVI source which he/she would want to see on the output. The converter will not scale the signal and therefore it is very important to select the proper resolution on the originating source

Note 2. If an HDMI source includes HDCP(High-bandwidth Digital Content Protection), the AT-HD420 output does not support HDCP decryption, therefore no image will display.

PACKAGE CONTENTS

- 1 X AT-HD420 (HDMI to VGA or component video format converter)
- 1 X VGA to 3 RCA adaptor cable
- 1 X 5V DC Power Supply
- 1 X instruction manual

FEATURES

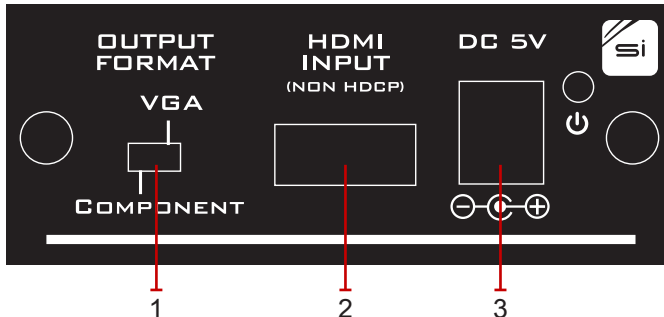
- Supports HDMI input and VGA or component output.
- Allows user to select between VGA or component video output interface.
- Supports VGA VESA resolutions up to 1920x1200 or component video up to 1080p.
- Embedded EDID will simplify the installation procedure. The HD420 will sync up with the source and let the source know to start outputting RGB or YPrPb format depending on the output selection and switch audio to stereo or PCM.
- HDMI 1.2, HDCP 1.1 and DVI compliant.
- DVI Compatible. You can use the HD420 for down converting DVI to VGA or DVI to component video.

SPECIFICATIONS

Inputs	1 x HDMI (Type A Female)
Outputs	1 x VGA (HD15 Female), 1 x 1/8 inch stereo audio (3.5mm)
Resolutions	up to 1080p and 1920 X 1200
EDID Compliant	Yes
HDCP Compliant	No
Power Supply	5V DC (universal 110/220V)
Dimensions (W x D x H)	2.99" x 1.18" x 3.62" / 76 x 30 x 92 mm
Weight	0.37LB /172g
Operating Temperature Range	32°F to +104°F (0°C to +40°C)

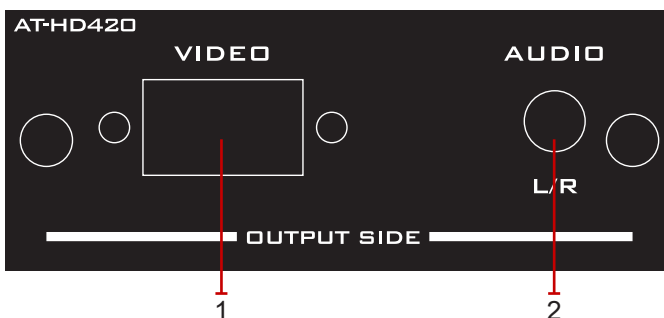
PANEL DESCRIPTION

5.1. Front Panel



- 1. Output Format switch:** Set the switch to VGA when your HDMI source equipment is connected to a PC monitor or projector. Use a VGA cable to connect between the AT-HD420 VGA out and the VGA input of your PC monitor or a projector. Set the dip switch to component video when your HDMI source equipment is connected to the component video input on an HDTV display. Use the included VGA to 3 RCA adaptor cable to connect the AT-HD420 component out to the component input of your HDTV.
- 2. HDMI input:** Connect the HDMI input port of the AT-HD420 to an HDMI or DVI output port of a source such as a DVD player or PC.
- 3. Power:** Plug the 5VDC power supply into the unit and connect the adaptor to AC wall outlet.

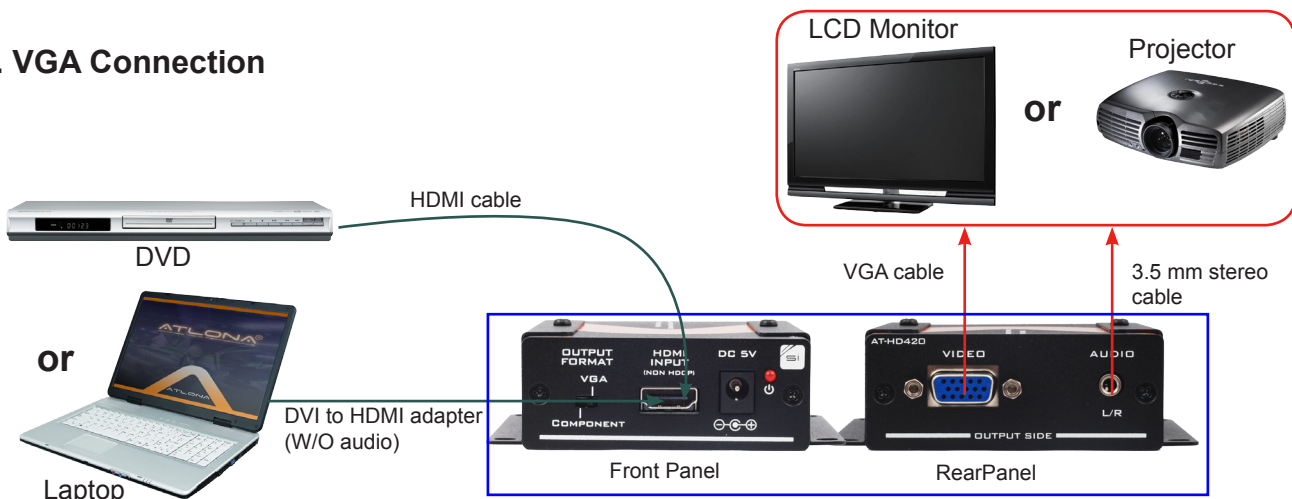
5.2. Rear Panel



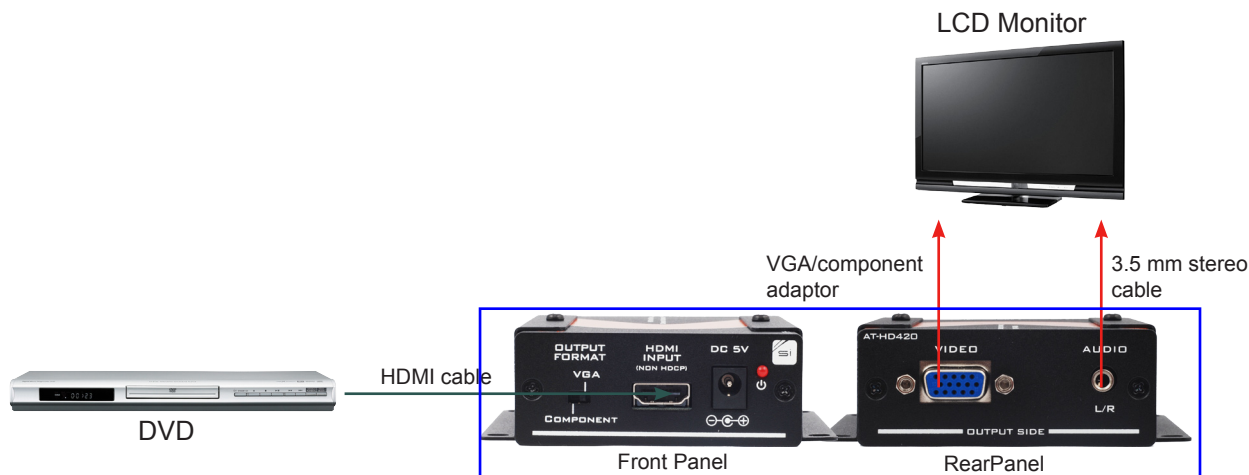
- 1. VGA/Component:** Connect the output port to the VGA/Component input of a PC monitor, Projector or TV.
- 2. L/R:** stereo audio output via 1/8 inch (3.5mm) stereo jack.

CONNECTION AND OPERATION

6.1. VGA Connection



6.2. Component Connection



TROUBLESHOOTING

1. No Picture:

- Ensure that the source output resolution is supported by your display. Check displays documentation for list of supported resolutions.
- If your source is a Blu-ray player most purchased media is HDCP (copywrite protected by the studio) protected which is not supported by the AT-HD420.

2. Color Accuracy:

- If the display exhibits a green hue over the image on your HDTV then check the component cable to make sure all colors on the cable connectors match the displays input jacks. If the colors match try another cable as it is possibly defective.

ATLONA PRODUCT REGISTRATION

Thank you for purchasing this Atlona product — we hope you'll enjoy it.

We also hope that you'll take a few moments to register your new purchase. Registration creates an ownership record if your product is lost or stolen and helps ensure you'll receive notification of performance issues and firmware updates.

At Atlona, we respect and protect your privacy and assure you that your registration information is completely secure. Of course, Atlona product registration is totally voluntary and failure to register will not diminish your limited warranty rights.

To register go to www.atlona.com/registration

SAFETY INFORMATION

Safeguards

To reduce the risk of electric shock, do not expose this product to rain or moisture.

If the wall plug does not fit into your local power socket, hire an electrician to replace your obsolete socket.

Do not modify the wall plug. Doing so will void the warranty and safety features.

This equipment should be installed near the socket outlet and the device should be easily accessible in case it requires disconnection.

Precautions

FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

Operate this product using only the included external power supply. Use of other power supplies could impair performance, damage the product or cause fires.

In the event of an electrostatic discharge, this device may automatically turn off. If this occurs, unplug the device, and plug it back in.

Protect and route power cords so they will not be stepped on or pinched by anything placed on or against them. Be especially careful of plug-ins, or cord exit points from this product.

Avoid excessive humidity, sudden temperature changes or temperature extremes.

Keep this product away from wet locations such as bathtubs, sinks, laundries, wet basements and swimming pools.

Use only accessories recommended by ATLONA to avoid fire, shock or other hazards.

Unplug the product before cleaning. Use a damp cloth for cleaning. Do not use cleaning fluid or aerosols, which could enter the unit and cause damage, fire or electrical shock. Some substances may also mar the finish of the product.

Never open or remove unit panels or make any adjustments not described in this manual. Attempting to do so could expose you to dangerous electrical shock or other hazards. It may also cause damage to your AT-HD420. Opening the product will void the warranty.

Do not attempt to service the unit. Instead disconnect it and contact your Authorized ATLONA reseller or contact ATLONA directly.

1. LIMITED WARRANTY

Atlona Technologies warrants that (a) its products (the "Product") will perform substantially in accordance with the accompanying written materials for a period of 3 YEARS from the date of receipt and (b) that the Product will be free from defects in materials and workmanship under normal use and service for a period of 3 years. In the event applicable law imposes any implied warranties, the implied warranty period is limited to 3 years from the date of receipt. Some jurisdictions do not allow such limitations on duration of an implied warranty, so the above limitation may not apply to Customer.

2. CUSTOMER REMEDIES

Atlona Technologies and its suppliers' entire liability and Customer's exclusive remedy shall be, at Atlona Technologies' option, either return of the price paid for the Product, or repair or replacement of the Product that does not meet this Limited Warranty and which is returned to Atlona Technologies with a copy of Customer's receipt. This Limited Warranty is void if failure of the Product has resulted from accident, abuse, or misapplication. Any replacement Product will be warranted for the remainder of the original warranty period or 3 year, whichever is longer.

3. NO OTHER WARRANTIES

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, ATLONA TECHNOLOGIES AND ITS SUPPLIERS DISCLAIM ALL OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WITH REGARD TO THE PRODUCT AND ANY RELATED WRITTEN MATERIALS. THIS LIMITED WARRANTY GIVES CUSTOMER SPECIFIC LEGAL RIGHTS. CUSTOMER MAY HAVE OTHER RIGHTS DEPENDING ON THE JURISDICTION.

4. NO LIABILITY FOR DAMAGES

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL ATLONA TECHNOLOGIES OR ITS SUPPLIERS BE LIABLE FOR ANY DAMAGES WHATSOEVER (INCLUDING WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR INDIRECT DAMAGES FOR PERSONAL INJURY, LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION, OR ANY OTHER PECUNIARY LOSS) ARISING OUT OF THE USE OF OR INABILITY TO USE THIS PRODUCT, EVEN IF ATLONA TECHNOLOGIES HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN ANY CASE, ATLONA TECHNOLOGIES' AND ITS SUPPLIERS' ENTIRE LIABILITY UNDER ANY PROVISION OF THIS AGREEMENT SHALL BE LIMITED TO THE AMOUNT ACTUALLY PAID BY YOU FOR THE PRODUCT. BECAUSE SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES, THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

